BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

DASARAHALLI ASSEMBLY CONSTITUENCY

DASARAHALLI DIVISION

SHETTYHALLI SUB-DIVISION

WARD NO. 13

MALLASANDRA

NAME OF THE WORK: Construction of RCC drain in 6th, 7th & 8th cross at Ravindranagara, in Ward no. 13, in Shettyhalli Sub-Division

Est. Cost Rs. 15.00 Lakhs

25 & 20

Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of RCC drain in 6th, 7th & 8th cross at Ravindranagara, in Ward no. 13, in Shettyhalli Sub-Division

Est .Cost Rs. 15.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2012-13	Cum							
	Surrounding Cross roads		2	60.00	0.45	0.45	24.30		
	Cross		2	45.00	0.45	0.45	18.23		
	Cross		2	25.00	0.45	0.45	10.13		
							52.65	110.24	**5804**
	Basic Rate	104.00							
	Area Weightage @ 6%	6.24							
		110.24							
2	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2012-13								
	7th Cross L/s	Cum	1	41.00	1.10	1.20	54.12		
	& R/s		1	40.00	1.10	1.20	52.80		
	8th Cross L/s		1	40.00	1.10	1.20	52.80		
	& R/s		1	40.00	1.10	1.20	52.80		
			1	20.00	1.10	1.20	26.40		
			1	9.00	1.10	1.20	11.88		
							250.80	132.50	**33231**
	Basic Rate	125.00							
	Area Weightage @ 6%	7.50							
		132.50							

3	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2012-13	Cum							
			1	41.00	1.10	0.15	6.77		
			1	40.00	1.10	0.15	6.60		
			1	40.00	1.10	0.15	6.60		
			1	40.00	1.10	0.15	6.60		
			1	20.00	1.10	0.15	3.30		
			1	9.00	1.10	0.15	1.49		
							31.35	4053.44	**127075**
	Basic Rate	3824.00							
	Area Weightage @ 6%	229.44							
	Total	**4053.44**							
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
	Walls	Cum	2x1	41.00	0.15	0.80	9.84		
	Bed		1	41.00	0.60	0.15	3.69		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	20.00	0.15	0.80	4.80		
			1	20.00	0.60	0.15	1.80		
			2x1	9.00	0.15	0.80	2.16		
			1	9.00	0.60	0.15	0.81		
	Basic Rate	4851.00					**62.70**	5142.06	**322407**
	Area Weightage @ 6%	291.06							
	Total	**5142.06**							

3	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2012-13	Cum							
			1	41.00	1.10	0.15	6.77		
			1	40.00	1.10	0.15	6.60		
			1	40.00	1.10	0.15	6.60		
			1	40.00	1.10	0.15	6.60		
			1	20.00	1.10	0.15	3.30		
			1	9.00	1.10	0.15	1.49		
							31.35	4053.44	**127075**
	Basic Rate	3824.00							
	Area Weightage @ 6%	229.44							
	Total	**4053.44**							
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
	Walls	Cum	2x1	41.00	0.15	0.80	9.84		
	Bed		1	41.00	0.60	0.15	3.69		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	40.00	0.15	0.80	9.60		
			1	40.00	0.60	0.15	3.60		
			2x1	20.00	0.15	0.80	4.80		
			1	20.00	0.60	0.15	1.80		
			2x1	9.00	0.15	0.80	2.16		
			1	9.00	0.60	0.15	0.81		
	Basic Rate	4851.00					**62.70**	5142.06	**322407**
	Area Weightage @ 6%	291.06							
	Total	**5142.06**							

5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2012-13								
		Qtls		62.70	x	65kgs	40.76		
							40.76	7187.86	**292941**
	Basic Rate	6781.00							
	Area Weightage @ 6%	406.86							
	Total	**7187.86**							
6	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9 Page No. 17/ Item No. 4.36/ PWD SR 2012-13	Sqm							
	for RCC drain Walls		2x2	41.00		1.00	164.00		
			2x2	40.00		1.00	160.00		
			2x2	40.00		1.00	160.00		
			2x2	40.00		1.00	160.00		
			2x2	20.00		1.00	80.00		
			2x2	9.00		1.00	36.00		
							760.00	555.44	**422134**
	Basic Rate	524.00							
	Area Weightage @ 6%	31.44							
		555.44							
7	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
			1	41.00	0.90		36.90		
			1	40.00	0.90		36.00		
			1	40.00	0.90		36.00		
			1	40.00	0.90		36.00		
			1	20.00	0.90		18.00		
			1	9.00	0.90		8.10		
	Approved Rate of Precast slab	1600.00							
	Data rate for precast slab of 100MM thick						**171.00**	1600	**273600**

22 (5) (17)

8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1+2	Cum					**303.45**		
	Qty Limited to						**303.00**	74.07	**22444**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	62.20							
		69.88							
	Area Weightage @ 6%	4.19							
	Total	**74.07**							
9	Miscellaneous and unforseen Charges								**364**
								Total	**1500000**
(Rupees Fifteen Lakhs Only)									

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2012-13
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

A/S

No. JC(DH) AS/572/12-13 Dated: 31/01/13
Rs. 15.00 lakhs (Rupees Fifteen lakhs only)
Page No. 085
Sl. No. 572

T/S

ನಂ.EE/DD/TS/382/12-13 ದಿನಾಂಕ: 05/02/13
ರೂ. 15.00 Lakhs (Rupees fifteen Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page no.
Sl. No. 382.

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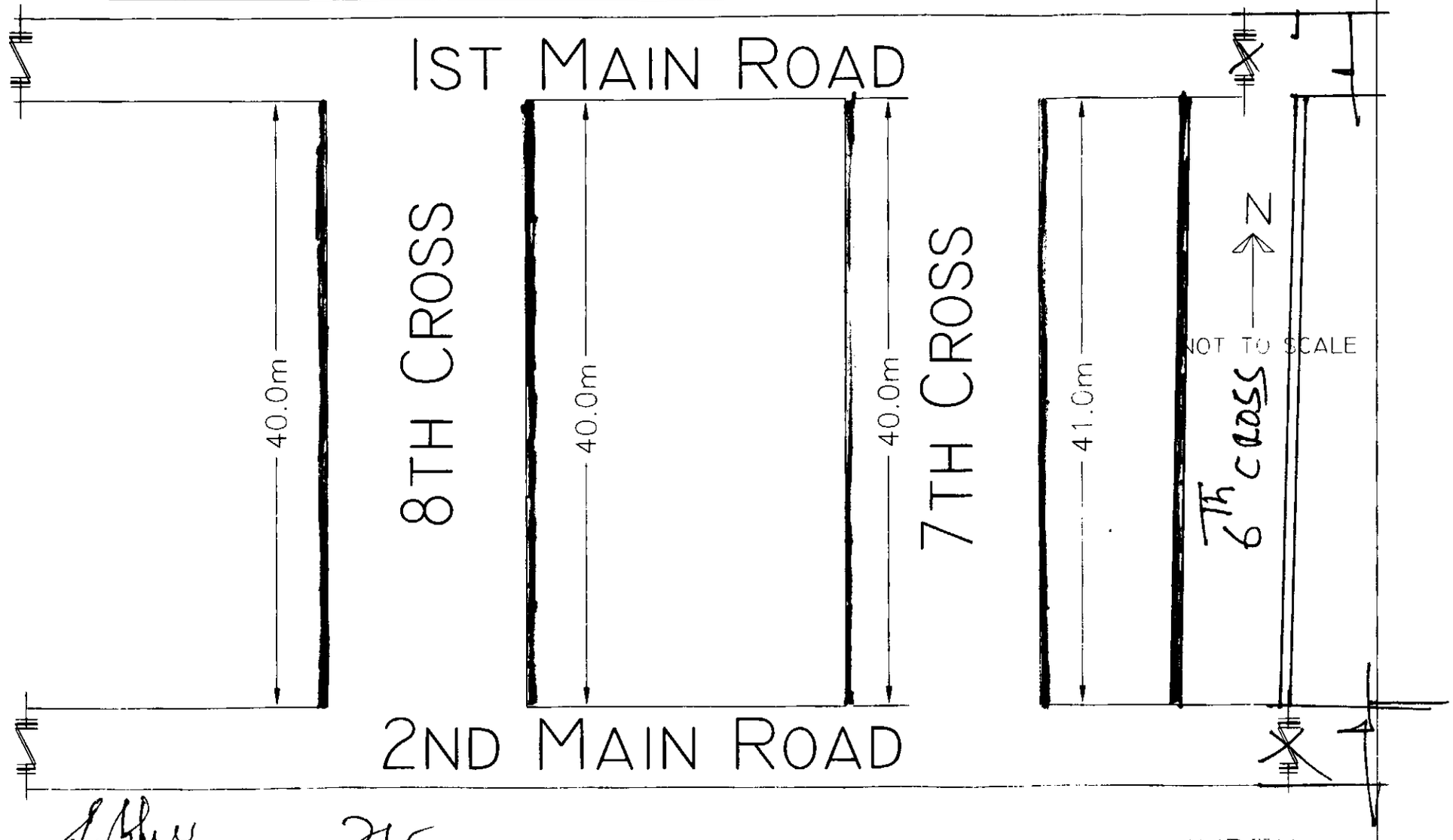
SKETCH SHOWING CONSTRUCTION OF RCC DRAIN IN 6TH, 7TH & 8TH CROSS AT RAVINDRANAGARA, IN WARD NO-13 IN SHETTYHALLI SUB DIVISION.



Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P

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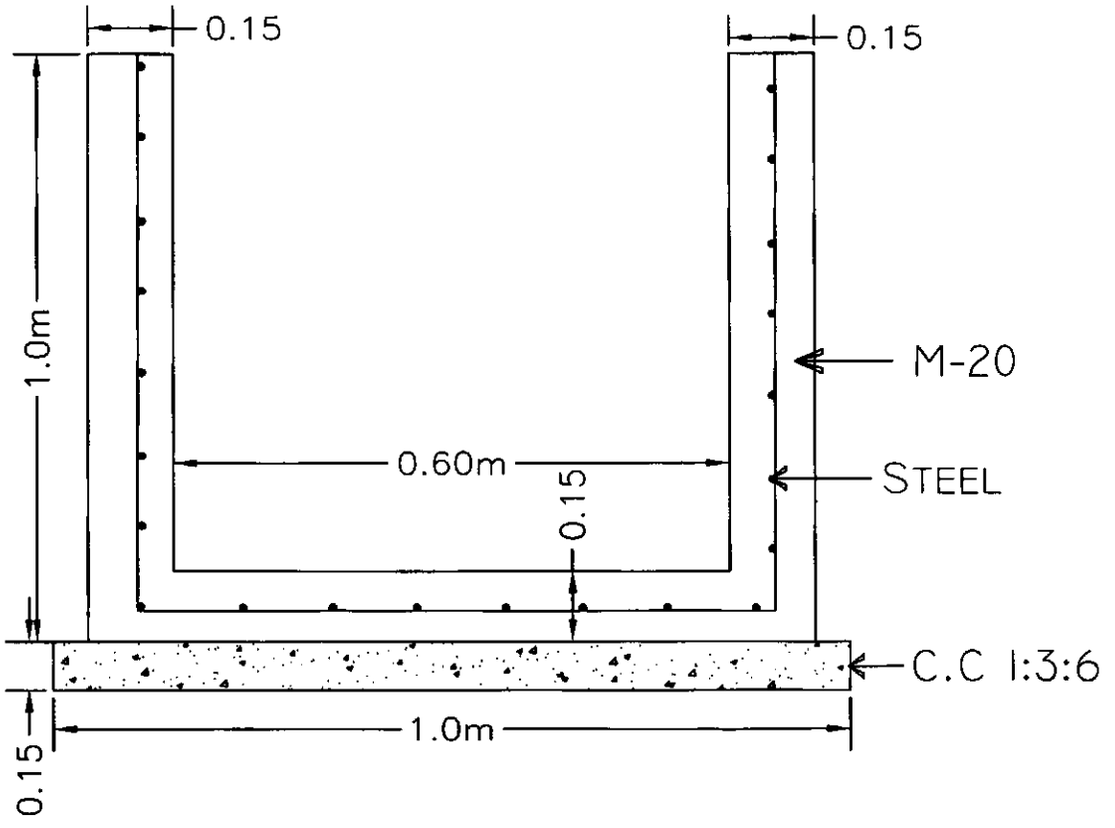
■ – RCC DRAIN

SKETCH SHOWING CONSTRUCTION OF RCC DRAIN IN 6TH, 7TH & 8TH CROSS AT RAVINDRANAGARA, IN WARD NO-13 IN SHETTYHALLI SUB DIVISION.



TYPICAL CROSS SECTION OF RCC DRAIN

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P